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REPORT

SUBJECT "Stalin" Chemical Combine

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Attached is a 10-page report on the "Stalin" Chemical Combine in Dimitrovgrad, including a sketch of the various shops. 25X1

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(NOTE: Washington distribution indicated by "X"; Field distribution by "#")

Subject: Stalin Chemical Plant,
Dimitrovgrad

Report A

Date of Report: 21 November 1955

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Location and General Description

1. The Stalin Chemical Plant (Chimcombinat Stalin) is located about 2.5 kilometers east of the railroad station in the Rakovski kvartal of Dimitrovgrad (N 42-04, E 25-35). It is bounded on the north by the Maritsa River, and on the south by the Plovdiv - Svilengrad (N 41-46, S 26-12) railway line. It is also about 1.2 kilometers east of the Maritsa Bridge on the Stara Zagora - Rhashovo road. The plant covers an area of 2,000 meters in an east-west direction and about 1,000 meters in a north-south direction. The plant is surrounded by a brick wall about 2.50 meters high, on top of which is barbed wire one meter high. The south wall is only 20 meters north of the Plovdiv - Svilengrad railroad tracks, and the plant has a railroad station (stop) on this line at the southeast end of the plant. From this station, railroad tracks lead into the plant area from its east side and branch off into three different sections in the plant area. A wide road about 500 meters long which branches off the Stara Zagora - Rhashovo road east of Dimitrovgrad leads straight to the entrance of the plant. Coming to the plant on this road, one sees a 2.5 meter high statue of Stalin mounted on an .05 meter high pedestal in the middle of a circle in front of the entrance to the plant.

A detailed layout sketch of the Stalin Chemical Plant is attached as Page 10 of this report.

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Plant Buildings

2. On each side of the entrance to the plant there is a three-story brick building measuring 30 x 30 meters. These buildings are used by the plant administration as follows:

North Administration Building

- (1) First Floor: Offices of Personnel (Kadrovodar), Accounting, and Labor and Wages.
- (2) Second Floor: Engineering offices.
- (3) Third Floor: Offices of the plant management.

South Administration Building

- (1) First Floor: Restaurant and a movie theater.
- (2) Second Floor: Offices of the Trade Union and of the DSVN (Dinitorzki Sjuz na Narodnata Mladezh; Dimitrov Union of the People's Youth).
- (3) Third Floor: A library, and offices of the Communist Party secretariats.

3. The actual plant buildings are numbered in the series of 100, 200, 300, 400, 500, and 600; for example, in the 300 series buildings, there are buildings numbered 302, 305, etc. The Stalin Chemical Plant produces sodium and ammonia nitrates, the sodium nitrates being produced in the 300 series buildings and the ammonia nitrates in the 100 series (Proizvodstvo 100, 200, etc.) buildings.

100 Series Buildings and Equipment

- a. Building 302 is about 50 x 10 meters in size. The main part of this building is two stories high, while an annex is three stories high. In the main part there is no floor between stories except an iron grille.

- (1) The following is the content of the main part of building 300:

- (a) Two pumps (Shtelochnyi pump)

The electric motors of the pumps were of Soviet manufacture and they were of 10 kilowatt capacity.

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(b) A fresh air ventilator.

(c) Four steam boilers connected with 10 inch pipes coming from the "Vilko Chernenkov" thermoelectric power plant. The boilers (probably hot water heaters) are connected with 8 inch pipes to four conical "furnaces", called such by the workers in this building, 2 meters high, 1.80 meters in diameter at the base. These "furnaces" are located on landings (sic) on the second floor.

(2) The following is the content of the annex:

(a) A work shop equipped with a lathe, on the first floor.

(b) Two high voltage (6,000 volts) electric motors, 290 kilowatts, on the first floor, to run the ventilators.

(c) Second Floor: a chemical laboratory, a bath, and one room that is always kept locked.

(d) Third Floor: a storeroom, and the building "club" where Communist Party, Trade Union, and DSNM meetings are held.

8. Building 302 is the same as building 300, with the exception that the main part has only one floor, and the three-story annex faces east.

(1) The following is the content of the main part:

(a) 18 solid pumps, of which 9 are used and 9 are held in reserve. These are equipped with 25 kilowatt electric motors.

(b) A fresh air ventilator.

(2) The following is the content of the annex:

(a) First Floor: Two high voltage (6,000 volts), 290 kilowatt, electric motors to run the ventilators.

(b) Second Floor: Two electric motors.

(c) Third Floor: A laboratory and a pipe junction.

(d) There are four stainless steel towers, 20 meters high and 3 meters in diameter, located outside on the south side of building 302. There are two other such towers located between buildings 300 and 302 on the east side. Also located between these two buildings is a smokestack made of 80 or 90 stainless steel pipes that are 1 meter high and 1 meter in diameter and are welded together. This smokestack is used by both buildings, the poisonous gases of which are blown out of the buildings by the high voltage motors into the smokestack.

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- c. Building 305: The main part of this building has the same dimensions as building 300, but the annex of building 305 is smaller than that of building 300.

(1) In the basement of the main building 305, there is a concrete ditch, .03 meters deep and .075 meters wide, covered with rubber sheeting. Inside the ditch there is a Da Vinci screw (steering screw) which pushes the "salt" toward the annex. On the only other floor of the main part of the building are stored the bags of "salt", which are poured into the ditch by one worker. [REDACTED] the Da Vinci screw smashes the "salt" and sends it to the spherical boiler (which may rotate) in the annex.

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- (2) The following is the content of the annex:

- (a) First Floor: Two pumps driven by 5 kilowatt, 380 volt electric motors; also, one boiler.
- (b) Second Floor: One spherical boiler (called Gurne-Pot) connected with pipes leading to building 302.
- (c) Third Floor: One spherical boiler.

- d. Building 104 is the same as building 300, with the exception that the annex of building 306 is on the west side.

- (1) In the main part of the building, sodium nitrate is loaded into sacks and is then stored in this part of the building, which is the storehouse.
- (2) The following is the content of the annex:

 - (a) First Floor: A rotating drum, driven by a 380 volt electric motor; and two pumps driven by 6 kilowatt electric motors.
 - (b) Second Floor: Two centrifuges, driven by 10 kilowatt electric motors.
 - (c) Third Floor: A laboratory and two boilers.

Other Plant Buildings

5. [REDACTED] the following information concerning the other plant buildings:

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- a. Building 109 is located some 50 meters west of the flotation plant of the "Volks Chervenkov" thermoelectric plant. This building is the dirtiest and smokiest of all the buildings composing the Stalin Chemical Plant.

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coal is supplied to this building from the flotation plant. [redacted] small smokestacks in this building. Eighty meters south of building 109 [redacted] a "cooling tower" in the form of a half cone 18 meters high and 6 meters in diameter at the base. Two hundred meters west of this tower there is a similar one. Sixty meters east of the first "cooling tower" is a gas "halter" tank in the shape of a cylinder 10 meters in diameter. Within this gas tank there is another one inverted. When these tanks are empty, they are 3 meters high. As gas starts filling up the tank, the top of the inverted tank starts rising; when full the height of the tanks is about 18 meters. [redacted] there must be some kind of insulation between the walls of the two tanks, since [redacted] so [redacted] gas leakage.

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- b. Building 406 is the place where the ammonic nitrate is loaded into sacks.

[redacted] two interlocking (joined) cylinders in front of this building. On the east side of building 400, [redacted] three towers similar to those in front of building 302.

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- c. In the 500 series buildings, dardions are filled with sulfuric acid.

[redacted] bottles were filled with oxygen in these buildings.

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Electricity for the Plant

6. The Stalin Chemical Plant receives its electricity of 6,000 volts from the "Vulko Chernenkov" thermoelectric power plant north of the Stalin Chemical Plant. The electricity is supplied via underground cables to the substation of the Stalin Plant, where it is transformed to 380 volts; however, the high voltage motors in the plant use the 6,000 volts in full. The substation also transforms the 380 volt current to 220 volts, and from 220 volts to 35 volts, the latter voltage for the light bulbs in the underground tunnels of the plant.

Plant Security

7. Every worker has a pass the size of a DSNM membership card, greenish in color, on which is a photograph of the worker, his name, the code master of the building and the letter of the shift. Each plant building has a code master [redacted] however, these code numbers are changed often. In addition each work shift is designated by a letter, that is, "A" for the first shift, "B" for the second, "C" for the third, and "D" is the letter for the alternate shift. The pass is issued by the personnel section of the plant and it is signed by the director of the plant. Every worker upon leaving the plant after work surrenders his pass to the guard at the Exit Gate, so that no worker can give his pass to an outsider. When an employee arrives at the plant, he receives his pass at the Entrance Gate.

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- b. A worker from one series of buildings cannot enter the buildings of another series.

In case of an emergency, a worker from one series could visit buildings of another series only after obtaining a temporary pass from the dispatcher on duty. This pass was valid only for the duration of the dispatcher's shift.

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- c. The plant was guarded by soldiers from the "Troops of the Interior" until 1952, when they were replaced by Militiamen. The "Troops of the Interior" numbered 40 and they were under the command of a senior lieutenant. There is a small, one-story building in the middle of the entrance, and this building serves as sleeping quarters for the plant guards. This building divides the road leading through the entrance in two, one side being used for vehicles and the other side for pedestrians. There is a guard at the entrance on both sides. There is also a guard in front of each entrance of each building in the plant. All guards are armed with either a carbine or an automatic pistol (submachine gun).

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Exemption

8. Three to four buses belonging to the plant transport the workers of each shift between the plant and Tolbukhin kvartal, taking the workers to and from work. Tolbukhin kvartal is located two kilometers south of the Plovdiv - Svilengrad railroad and west of the Stara Zagora - Kraskovo highway and it consists of some 35 apartment buildings.

Procedure for Employment at the Plant

9. The candidate for employment fills out an application and gives it to the Chief of Personnel at the plant, after which the applicant is asked to write his autobiography. If the applicant has a relative or acquaintance already working at the plant or one who is a plant official, the job appointment may occur within a week's time; otherwise, the waiting period is from two to three months, during which time the applicant is screened very carefully. After becoming an employee [redacted] attend a plant course, the purpose of which was to acquaint the employees of the plant with their work. These courses were called "qualification courses." [redacted] instructor was Stefan DIMITROV

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Personal

10. [redacted] personnel at the plant.

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- a. Georgi PAVLOV is the director of the plant;

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b. Zhelyu ZHULEV is an official of the employment section (Referent Kairorvik). He employs workers for a certain production unit, that is, for work in 300 or 400 series buildings or some other series buildings, exact one unknown. His office is in the personnel section in the administration building.

c. Engineer VIDENOV (fin) is the chief of maintenance for the 300 series buildings;

d. Petyu PAVV is the chief mechanic of the 300 series buildings;

e. Stefan DIMITROV is the chief electrician for the 300 series buildings;

f. Dencho Atanasov MINCHEV is a shift electrician

g. Asen Nikolov KRUSTEV is also a shift electrician;
Sandanski;

h. Kriss NIKOLOV is an arc welder working in building 109;

Soviets at the Stalin Chemical Plant - 1950-1952

11. [redacted] Soviet specialists at the Stalin Chemical Plant during the period 1950-1952, as follows:

a. Engineer GORESHTEKO (fin)

b. DOROGOVSKY (fma)

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c. In addition, [redacted] there had been some 200 Soviet specialists at the Stalin Chemical Plant, both men and women [redacted] Libya (Lm)

[redacted] was an electric arc welder [redacted]

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LEGEND TO SKETCH ON PAGE 10

1. Building 109
2. Flotation Plant
3. Condensing Tower
4. Gas Tank
5. Building 161
6. Building 163
7. Dispensary
8. Building 306
9. Building 400
10. Building 406
11. Building 500
12. Administration Building
13. Stalin Monument
14. Compressor Building
15. Chemical Laboratory
16. Ventilator Section
17. Suction Ventilator
18. Warehouse
19. Carpenter Shop
20. Building 201 - Main Electric Repair Shop
21. Building 202 - Main Mounting Shop
22. Building 203 - Main Repair Shop
23. Building for Unified Processes (Obedinenia Korpus)
24. Substation (transformers)
25. Building 600
26. Building 300
27. Building 302
28. Building 305
29. Ammonia Building
30. Railroad stop for Stalin Chemical Plant
31. Garage

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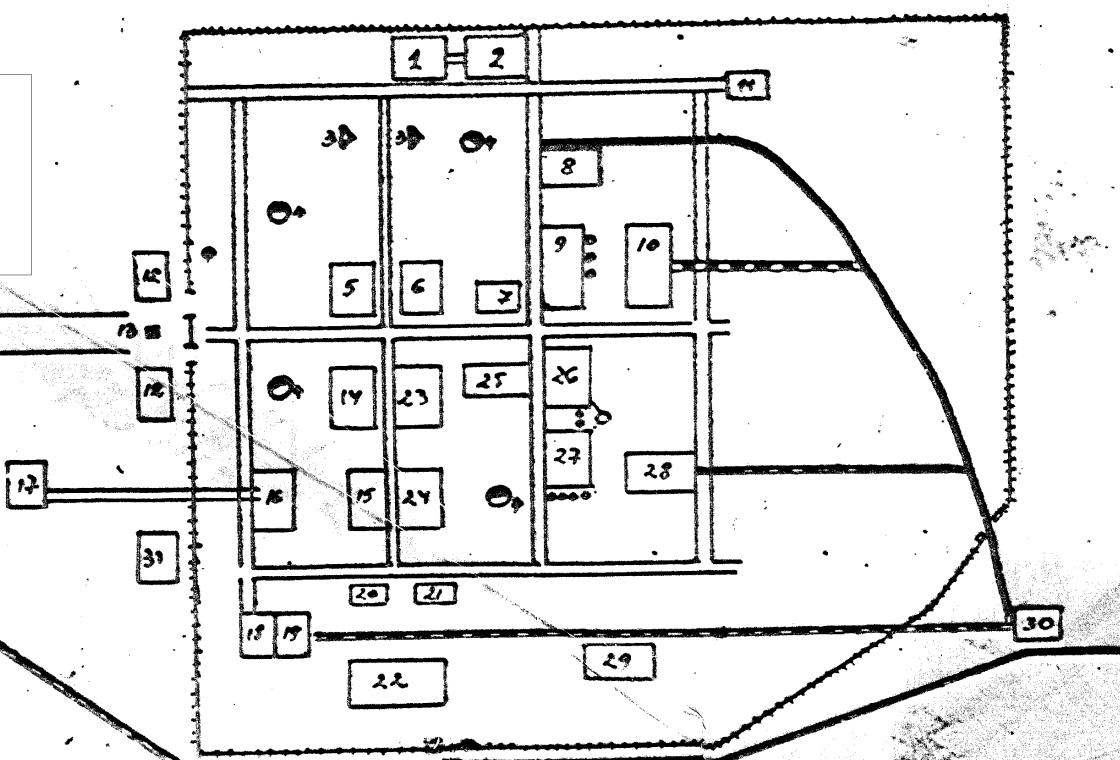
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STALIN CHEMICAL PLANT IN DIMITROVGRAD

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Not Drawn to Scale

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